ABSTRACT

A control section 101 outputs retransmission
information as to whether or not a transmit signal is

5   a retransmission signal, and if a retransmission signal,
which (first, second, etc.) retransmission this is, to
a selection section 107. An IFFT section 103 performs
orthogonal frequency division multiplexing processing
of the transmit signal. A GI insertion section 104

10   inserts a guard interval in the transmit signal. A GI
insertion section 105 inserts in the transmit signal a
guard interval longer than the guard interval inserted
by GI insertion section 104. A GI insertion section 106
inserts in the transmit signal a guard interval longer

15   than the guard intervals inserted by GI insertion section
104 and GI insertion section 105. Based on the
retransmission information input from control section
101, selection section 107 selects a transmit signal in
which a longer guard interval has been inserted as the

20   number of retransmissions increases. By this means it
is possible to prevent an increase in transmission delay
due to an excessive increase in the number of
retransmissions with almost no lowering of transmission
efficiency.

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